

**State:** Arkansas **Filing Company:** Texas Life Insurance Company  
**TOI/Sub-TOI:** L08 Life - Other/L08.000 Life - Other  
**Product Name:** Endorsement for Policy  
**Project Name/Number:** /END-VALNON12

## Filing at a Glance

Company: Texas Life Insurance Company  
Product Name: Endorsement for Policy  
State: Arkansas  
TOI: L08 Life - Other  
Sub-TOI: L08.000 Life - Other  
Filing Type: Form  
Date Submitted: 10/30/2012  
SERFF Tr Num: METF-128749803  
SERFF Status: Closed-Approved-Closed  
State Tr Num:  
State Status: Approved-Closed  
Co Tr Num: END-VALNON12  
  
Implementation: On Approval  
Date Requested:  
Author(s): Jan Spoede  
Reviewer(s): Linda Bird (primary)  
Disposition Date: 11/02/2012  
Disposition Status: Approved-Closed  
Implementation Date:  
  
State Filing Description:

State: Arkansas  
 TOI/Sub-TOI: L08 Life - Other/L08.000 Life - Other  
 Product Name: Endorsement for Policy  
 Project Name/Number: /END-VALNON12

Filing Company: Texas Life Insurance Company

## General Information

Project Name:	Status of Filing in Domicile: Pending
Project Number: END-VALNON12	Date Approved in Domicile:
Requested Filing Mode: Review & Approval	Domicile Status Comments: It was filed with and ICC Compact filing and is pending
Explanation for Combination/Other:	Market Type: Individual
Submission Type: New Submission	Individual Market Type:
Overall Rate Impact:	Filing Status Changed: 11/02/2012
	State Status Changed: 11/02/2012
Deemer Date:	Created By: Jan Spoede
Submitted By: Jan Spoede	Corresponding Filing Tracking Number:
Filing Description:	
END-VALNON12, Endorsement for Policy	

We are filing the attached endorsement, Form END-VALNON-12 to comply with the reduction in the maximum valuation and non-forfeiture interest rates for 2013 life insurance issues. This is not an informational filing. This endorsement amends policy language to restate the valuation interest rate from 4% to 3.5% and the non-forfeiture rate from 5% to 4.5%. We are modifying our non-forfeiture values for 2013 issues. No other changes are being made to the forms. With this filing, we have included revised actuarial memoranda (um) which reflect the changes made to valuation and non-forfeiture rates.

This endorsement will be used to alter policy forms NWL 7-09 and NWG 7/09. These forms were previously approved: NWL 7/09 on April 21, 2009 under State Tracking Number 42125 and NWG 7/09, on May 7, 2009 under State Tracking Number 42185.

## Company and Contact

### Filing Contact Information

Jan Spoede, Senior Associate, Product Development	jspoede@texaslife.com
P.O. Box 830	800-283-9233 [Phone] 6371 [Ext]
Waco, TX 76703	254-745-6389 [FAX]

### Filing Company Information

Texas Life Insurance Company	CoCode: 69396	State of Domicile: Texas
P.O. Box 830	Group Code:	Company Type: Life
Waco, TX 76703	Group Name:	State ID Number:
(800) 283-9233 ext. [Phone]	FEIN Number: 74-0940890	

## Filing Fees

Fee Required?	Yes
Fee Amount:	\$100.00
Retaliatory?	Yes
Fee Explanation:	The domiciliary state of Texas requires a filing fee for endorsements.
Per Company:	No

State: Arkansas Filing Company: Texas Life Insurance Company  
TOI/Sub-TOI: L08 Life - Other/L08.000 Life - Other  
Product Name: Endorsement for Policy  
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Company	Amount	Date Processed	Transaction #
Texas Life Insurance Company	\$100.00	10/30/2012	64405451

SERFF Tracking #:

METF-128749803

State Tracking #:

Company Tracking #:

END-VALNON12

State:

Arkansas

Filing Company:

Texas Life Insurance Company

TOI/Sub-TOI:

L08 Life - Other/L08.000 Life - Other

Product Name:

Endorsement for Policy

Project Name/Number:

/END-VALNON12

## Correspondence Summary

### Dispositions

Status	Created By	Created On	Date Submitted
Approved-Closed	Linda Bird	11/02/2012	11/02/2012

**SERFF Tracking #:**

METF-128749803

**State Tracking #:****Company Tracking #:**

END-VALNON12

**State:**

Arkansas

**Filing Company:**

Texas Life Insurance Company

**TOI/Sub-TOI:**

L08 Life - Other/L08.000 Life - Other

**Product Name:**

Endorsement for Policy

**Project Name/Number:**

/END-VALNON12

## Disposition

Disposition Date: 11/02/2012

Implementation Date:

Status: Approved-Closed

Comment:

Rate data does NOT apply to filing.

Schedule	Schedule Item	Schedule Item Status	Public Access
Supporting Document	Flesch Certification		Yes
Supporting Document	Application		No
Supporting Document	Red-lined copies showing the revisions		Yes
Supporting Document	Actuarial Memos		No
Supporting Document	Cert of Bul 19		Yes
Supporting Document	Cert of Bul 11-83		Yes
Supporting Document	Certification of Bul 34		Yes
Form	Endorsement to Policy		Yes

**State:** Arkansas  
**TOI/Sub-TOI:** L08 Life - Other/L08.000 Life - Other  
**Product Name:** Endorsement for Policy  
**Project Name/Number:** /END-VALNON12

**Filing Company:** Texas Life Insurance Company

## Form Schedule

### Lead Form Number: END-VALNON12

Item No.	Schedule Item Status	Form Name	Form Number	Form Type	Form Action	Action Specific Data	Readability Score	Attachments
1		Endorsement to Policy	END-VALNON12	CERA	Initial		50.800	Non-ICC Valuation_Endorsement_TLIC_Non_ICC[1].pdf

### Form Type Legend:

<b>ADV</b>	Advertising	<b>AEF</b>	Application/Enrollment Form
<b>CER</b>	Certificate	<b>CERA</b>	Certificate Amendment, Insert Page, Endorsement or Rider
<b>DDP</b>	Data/Declaration Pages	<b>FND</b>	Funding Agreement (Annuity, Individual and Group)
<b>MTX</b>	Matrix	<b>NOC</b>	Notice of Coverage
<b>OTH</b>	Other	<b>OUT</b>	Outline of Coverage
<b>PJK</b>	Policy Jacket	<b>POL</b>	Policy/Contract/Fraternal Certificate
<b>POLA</b>	Policy/Contract/Fraternal Certificate: Amendment, Insert Page, Endorsement or Rider	<b>SCH</b>	Schedule Pages

## Texas Life Insurance Company

A Stock Company

(Hereinafter called: the Company, We, Our or Us)

Home Office: 900 Washington Avenue, P.O. Box 830 Waco, Texas 76703

Administrative Office: 100 Centerview Drive, Suite 100, Nashville, Tennessee 37214

Customer Service: 1-866-215-5343

[www.texaslife.com](http://www.texaslife.com)

### ENDORSEMENT TO POLICY [123456]

Effective upon receipt, this endorsement is added to and made a part of the policy referred to above.

The Section titled "**Basis of Policy Values**" is amended to read:

The guaranteed Policy Values applicable to this policy are shown in the Table of Policy Values. Values shown apply only if the policy is free from a policy loan. Values for policy years not shown will be furnished upon request. Values are shown for the end of a policy year when premiums were paid for the full policy year. If premiums were paid for a part of a policy year, values will be calculated on a consistent basis with allowance for the length of time premiums were paid.

All guaranteed minimum cash values, present values and net single premiums are calculated on the following basis:

1. Interest at [4.50%] per year.
2. Mortality as provided in the Commissioners 2001 Standard Ordinary Mortality Tables, curtate; male or female whichever applicable, with distinction for non-tobacco or tobacco use, age last birthday.
3. On the assumption that death benefits are payable at the end of the policy year in which the Insured dies and that premiums are paid annually in advance.

The non-forfeiture values are at least equal to those required by law of the state in which this policy is delivered. A detailed statement of the method of computing values has been filed with the insurance supervisory official of that state. The cash surrender or death benefit that may be available under this policy are not less than the minimum benefits required by any statute of the state in which this policy is issued.

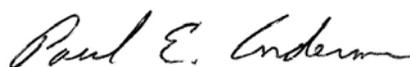
The section titled "**Reserves**" is amended to read:

END-VALNON12

The Actuarial reserves are computed in accordance with the Commissioner's Reserve Valuation Method (CRVM), mortality as provided in the Commissioners 2001 Standard Ordinary Mortality Tables with interest at [3.50%], for male or female, age last birthday, with distinction for non-tobacco or tobacco use, assuming deaths occur throughout the Policy Year and premiums are payable annually. The actuarial reserves are equal to or greater than those required by law of the state in which this Policy is delivered.



President



Secretary

SERFF Tracking #:

METF-128749803

State Tracking #:

Company Tracking #:

END-VALNON12

State:

Arkansas

Filing Company:

Texas Life Insurance Company

TOI/Sub-TOI:

L08 Life - Other/L08.000 Life - Other

Product Name:

Endorsement for Policy

Project Name/Number:

/END-VALNON12

### Supporting Document Schedules

		Item Status:	Status Date:
Satisfied - Item:	Flesch Certification		
Comments:			
Attachment(s):			
-NWG & End Read_Cert.pdf			
NWL & End Read_Cert.pdf			

		Item Status:	Status Date:
Satisfied - Item:	Red-lined copies showing the revisions		
Comments:			
Attachment(s):			
ACT MEMO RedLined NWL 7-09.pdf			
ACT MEMO Red-Lined NWG 7-09.pdf			

		Item Status:	Status Date:
Satisfied - Item:	Cert of Bul 19		
Comments:			
Attachment(s):			
AR Cert of Bull 19.pdf			

		Item Status:	Status Date:
Satisfied - Item:	Cert of Bul 11-83		
Comments:			
Attachment(s):			
AR Cert of Bull 11-83.pdf			

		Item Status:	Status Date:
Satisfied - Item:	Certification of Bul 34		

**SERFF Tracking #:**

METF-128749803

**State Tracking #:**

**Company Tracking #:**

END-VALNON12

**State:**

Arkansas

**Filing Company:**

Texas Life Insurance Company

**TOI/Sub-TOI:**

L08 Life - Other/L08.000 Life - Other

**Product Name:**

Endorsement for Policy

**Project Name/Number:**

/END-VALNON12

Comments:

Attachment(s):

AR NWG Cert of Reg 34.pdf

AR NWL Cert of Reg 34.pdf



**CERTIFICATION OF READABILITY  
FORM NWG 7/09 & END-VALNON12**

This is to certify that Texas Life Insurance Company -NWG 7/09 and END-VALNON12  
has achieved a Flesch Reading Ease Score of 51.20.

A handwritten signature in black ink that reads "Michael R. Khoury". The signature is written in a cursive style with a large, looping "y" at the end. It is positioned above the printed name and title.

Officer Signature

Michael R. Khoury, JD  
Director  
Product Development, Claims and Records

Date: 23 October 2012



**CERTIFICATION OF READABILITY  
FORM NWL 7/09 & END-VALNON12**

This is to certify that Texas Life Insurance Company Form NWL 7/09 and END-VALNON12 has achieved a Flesch Reading Ease Score of 51.40.

A handwritten signature in black ink that reads "Michael R. Khoury". The signature is written in a cursive style with a large, looping "y" at the end. Below the signature, the words "Officer Signature" are printed in a small, sans-serif font.

Officer Signature

Michael R. Khoury, JD  
Director  
Product Development, Claims and Records

Date: 25 October 2012

**TEXAS LIFE INSURANCE COMPANY**  
**POLICY FORM NWL 7/09**  
**WHOLE LIFE INSURANCE**  
**Actuarial Demonstration of Reserves and Values Calculations**

**I. Description of Contract Characteristics**

Death Benefit: Level \$1,000 per unit all policy years  
 Premiums: Guaranteed annual premium payable for life  
 Issue Ages: 45-85

**II. Basis of Values**

Mortality: 2001 CSO Tables – Reserves, Cash Values and Reduced Paid-Up  
 Age Last Birthday  
 Male or Female  
 Nonsmoker or Smoker (Non-Tobacco or Tobacco)  
 Curtate Functions for Cash Values and Reduced Paid-Up  
 Semi-Continuous Functions for Reserves

Interest: ~~4.5%~~ 5.00% for Cash Values and Reduced Paid-Up  
~~3.5%~~ 4.00% for Reserves

Nonforfeiture Values: Certificate values are minimum values, using the assumptions above, computed in accordance with the Standard Nonforfeiture Law, amended in 1980, using the adjusted premium method.

Reserves: Reserves are computed in accordance with the Commissioners' Reserve Valuation Method (CRVM)

Terminal reserve factors are rounded to the near cent

Maturity Age: 100

**III. General Formulae**

Since this product matures at age 100,  $A_{x+t}$  is defined as follows:

$$A_{x+t} = (M_{x+t} - M_{100} + D_{100}) / D_{x+t}$$

$$\ddot{a}_{x+t} = (N_{x+t} - N_{100}) / D_x$$

Nonforfeiture Adjusted Premium :

$$P_x^{NL} = 1000 * A_x / \ddot{a}_x$$

$$P_x^A = (1000 * A_x + (.01) * 1000 + 1.25 * \text{Min of } \{(.04 * 1000) \text{ and } P_x^{NL}\}) / \ddot{a}_x$$

Cash Value Formula:

$${}_tCV_x = 1000 * A_{x+t} - P_x^A * \ddot{a}_{x+t}$$

Reduced Paid-Up Insurance (rounded to high dollar)

$${}_tRPU_x = {}_tCV_x / A_{x+t}$$

**TEXAS LIFE INSURANCE COMPANY**  
**POLICY FORM NWL 7/09**

Valuation Net Premiums:

$$P_x^{NL} = 1000 * \bar{A}_x / \ddot{a}_x$$

$$\beta_x^{CRVM} = 1000 * \bar{A}_{x+1} / \ddot{a}_{x+1}$$

but not greater than

$$P_x^{NL} + 1000 * ({}_{10}\bar{P}_{x+1} - c_x) / \ddot{a}_x$$

Where  $c_x = C_x * (i / \delta) / D_x$

$$\alpha_x^{CRVM} = 1000 * \bar{A}_x - \beta_x^{CRVM} * \ddot{a}_x$$

Semi-Continuous Terminal Reserves:

$${}_t\bar{V}_x = 1000 * \bar{A}_{x+t} - \beta_x^{CRVM} * \ddot{a}_{x+t}$$

**TEXAS LIFE INSURANCE COMPANY**  
**POLICY FORM NWL 7/09**

**IV. Cash Value Sample Calculations**

Male, Non-Tobacco  
 Issue Age: 50  
 2001 CSO, ALB, 5.00%

End Pol Year(t)	DB <sub>t</sub>	C <sub>x+t</sub>	M <sub>x+t</sub>	D <sub>x+t</sub>	N <sub>x+t</sub>	1000A <sub>x+t</sub>	$\ddot{a}_{x+t}$	${}_tCV_x$	${}_tRPU_x$
0	1,000	27,151.79	2,227,166.08	8,263,587.03	126,764,839.89	269.57952	15.33883	0.00	0.00
1	1,000	28,159.86	2,200,014.29	7,842,931.10	118,501,252.86	280.57649	15.10789	0.00	0.00
2	1,000	29,481.72	2,171,854.44	7,441,298.33	110,658,321.76	291.93591	14.86935	0.00	0.00
3	1,000	30,985.65	2,142,372.72	7,057,469.08	103,217,023.43	303.63583	14.62365	17.00	55.99
4	1,000	33,006.04	2,111,387.07	6,690,413.47	96,159,554.36	315.66283	14.37108	34.00	107.71
5	1,000	35,135.15	2,078,381.03	6,338,816.31	89,469,140.89	327.96483	14.11274	51.00	155.51
6	1,000	37,039.88	2,043,245.88	6,001,832.76	83,130,324.58	340.52492	13.84898	69.00	202.63
7	1,000	38,508.97	2,006,206.00	5,678,991.32	77,128,491.81	353.36095	13.57942	87.00	246.21
8	1,000	39,687.26	1,967,697.03	5,370,054.19	71,449,500.49	366.51861	13.30311	105.00	286.48
9	1,000	41,128.83	1,928,009.77	5,074,650.07	66,079,446.30	380.03360	13.01929	125.00	328.92
10	1,000	42,989.93	1,886,880.94	4,791,871.23	61,004,796.23	393.87717	12.72858	144.00	365.60
11	1,000	45,336.13	1,843,891.01	4,520,696.96	56,212,925.00	407.99434	12.43212	164.00	401.97
12	1,000	47,956.44	1,798,554.88	4,260,089.54	51,692,228.04	422.31099	12.13147	184.00	435.70
13	1,000	50,516.82	1,750,598.44	4,009,271.70	47,432,138.49	436.76915	11.82785	205.00	469.36
14	1,000	52,749.72	1,700,081.62	3,767,837.18	43,422,866.79	451.34896	11.52167	225.00	498.51
15	1,000	54,651.30	1,647,331.89	3,535,666.64	39,655,029.62	466.06760	11.21258	246.00	527.83
16	1,000	56,094.21	1,592,680.59	3,312,650.26	36,119,362.98	480.94674	10.90012	267.00	555.16
17	1,000	57,254.22	1,536,586.38	3,098,810.79	32,806,712.72	496.03356	10.58330	288.00	580.61
18	1,000	58,183.06	1,479,332.16	2,893,994.16	29,707,901.93	511.35553	10.26153	310.00	606.24
19	1,000	59,176.17	1,421,149.10	2,698,001.85	26,813,907.77	526.93695	9.93432	332.00	630.06
20	1,000	60,415.74	1,361,972.92	2,510,349.40	24,115,905.92	542.75341	9.60218	354.00	652.23

Net Level Prem = 17.57497

Adjusted Prem = 19.65914

*VALUES RECALCULATED USING NEW ASSUMPTIONS*

**TEXAS LIFE INSURANCE COMPANY**  
**POLICY FORM NWL 7/09**

**V. Reserve Sample Calculations**

Male, Non-Tobacco  
Issue Age: 50  
2001 CSO, ALB, 4.00%

End Pol Year(t)	DB <sub>t</sub>	$\overline{C}_{x+t}$	$\overline{M}_{x+t}$	D <sub>x+t</sub>	N <sub>x+t</sub>	1000 $\overline{A}_{x+t}$	$\ddot{a}_{x+t}$	$\overline{V}_x$
0	1,000	45,112.50	4,630,423.61	13,334,188.61	228,643,368.18	347.32731	17.14496	0.00
1	1,000	47,237.28	4,585,311.12	12,777,101.59	215,309,179.57	358.94020	16.84889	0.00
2	1,000	49,930.18	4,538,073.84	12,239,357.61	202,532,077.98	370.85101	16.54522	18.38
3	1,000	52,981.83	4,488,143.66	11,719,655.66	190,292,720.37	383.03582	16.23456	37.18
4	1,000	56,979.12	4,435,161.83	11,216,950.05	178,573,064.71	395.47881	15.91733	56.38
5	1,000	61,237.87	4,378,182.71	10,729,659.85	167,356,114.66	408.12915	15.59480	75.91
6	1,000	65,178.42	4,316,944.84	10,256,935.80	156,626,454.81	420.96872	15.26745	95.72
7	1,000	68,415.12	4,251,766.42	9,798,529.67	146,369,519.01	434.01111	14.93493	115.85
8	1,000	71,186.43	4,183,351.31	9,354,580.90	136,570,989.35	447.29482	14.59625	136.34
9	1,000	74,481.51	4,112,164.88	8,924,989.76	127,216,408.45	460.84861	14.25068	157.26
10	1,000	78,600.41	4,037,683.37	8,508,690.48	118,291,418.68	474.64268	13.89899	178.55
11	1,000	83,687.09	3,959,082.96	8,104,364.05	109,782,728.20	488.62406	13.54252	200.12
12	1,000	89,375.17	3,875,395.87	7,710,601.06	101,678,364.15	502.72347	13.18304	221.88
13	1,000	95,052.15	3,786,020.70	7,326,405.53	93,967,763.09	516.88716	12.82192	243.74
14	1,000	100,207.92	3,690,968.55	6,951,420.37	86,641,357.56	531.09618	12.45963	265.66
15	1,000	104,818.61	3,590,760.63	6,585,802.40	79,689,937.19	545.36481	12.09583	287.68
16	1,000	108,620.51	3,485,942.02	6,229,725.79	73,104,134.79	559.71104	11.73004	309.82
17	1,000	111,932.77	3,377,321.50	5,883,616.60	66,874,409.00	574.17504	11.36124	332.14
18	1,000	114,842.41	3,265,388.73	5,547,571.58	60,990,792.40	588.77889	10.98888	354.68
19	1,000	117,925.73	3,150,546.32	5,221,598.41	55,443,220.82	603.54136	10.61246	377.46
20	1,000	121,553.58	3,032,620.59	4,905,139.42	50,221,622.42	618.43805	10.23262	400.45

Alpha = 3.38322

Beta = 21.30349

*VALUES RECALCULATED USING NEW ASSUMPTIONS.*

**TEXAS LIFE INSURANCE COMPANY**  
**POLICY FORM NWG 7/09**

**WHOLE LIFE INSURANCE**  
**Actuarial Demonstration of Reserves and Values Calculations**

**I. Description of Contract Characteristics**

Death Benefit: \$300 year 1, \$700 year 2, and \$1,000 per unit all policy years thereafter

Premiums: Guaranteed annual premium payable for life

Issue Ages: 50-85

**II. Basis of Values**

Mortality: 2001 CSO Tables – Reserves, Cash Values and Reduced Paid-Up  
Age Last Birthday  
Male or Female  
Nonsmoker or Smoker (Non-Tobacco or Tobacco)  
Curtate Functions for Cash Values and Reduced Paid-Up  
Semi-Continuous Functions for Reserves

Interest: 4.5% 5.00% for Cash Values and Reduced Paid-Up  
3.5% 4.00% for Reserves

Nonforfeiture Values: Certificate values are minimum values, using the assumptions above, computed in accordance with the Standard Nonforfeiture Law using the adjusted premium method.

Reserves: Reserves are computed in accordance with the Commissioners' Reserve Valuation Method (CRVM)

Terminal reserve factors are rounded to the near cent

Maturity Age: 100

**III. General Formulae**

Since this is a non-level death benefit it is necessary to adjust the  $C_x$  commutation function to account for a non-level payment. Adjusting  $C_x$  by applying a 0.3 factor in year 1 and by applying a 0.7 factor in year 2 is sufficient to cause the "normal" commutation functions to perform their tasks. Note in years 3+ there are no factors applied to  $C_x$  (i.e. a factor of 1 is used). Implicit in altering the  $C_x$  function is an altered  $M_x$  function. In the following illustration an altered  $C_x$  and altered  $M_x$  function are assumed.

Since this product matures at age 100,  $A_{x+t}$  is defined as follows:

$$A_{x+t} = (M_{x+t} - M_{100} + D_{100}) / D_{x+t}$$

$$\ddot{a}_{x+t} = (N_{x+t} - N_{100}) / D_x$$

Nonforfeiture Adjusted Premium :

$DB_t$  = Death Benefit in Policy Year t

$$ELA = (DB_1 + DB_2 + \dots + DB_{10}) / 10 = 900$$

**TEXAS LIFE INSURANCE COMPANY**  
**POLICY FORM NWG 7/09**

$$P_x^{NL} = 1000 * A_x / \ddot{a}_x$$

$$P_x^A = (1000 * A_x + (.01) * ELA + 1.25 * \text{Min of } \{(.04 * ELA) \text{ and } P_x^{NL}\}) / \ddot{a}_x$$

Cash Value Formula:

$${}_tCV_x = 1000 * A_{x+t} - P_x^A * \ddot{a}_{x+t}$$

Reduced Paid-Up Insurance (rounded to high dollar)

$${}_tRPU_x = {}_tCV_x / A_{x+t}$$

Valuation Net Premiums:

$$P_x^{NL} = 1000 * \bar{A}_x / \ddot{a}_x$$

$$\beta_x^{CRVM} = 1000 * \bar{A}_{x+1} / \ddot{a}_{x+1}$$

but not greater than

$$P_x^{NL} + 1000 * ({}_{19}\bar{P}_{x+1} - c_x) / \ddot{a}_x$$

Where  $c_x = C_x * (i / \delta) / D_x$

$$\alpha_x^{CRVM} = 1000 * \bar{A}_x - \beta_x^{CRVM} * \ddot{a}_x$$

Semi-Continuous Terminal Reserves:

$${}_t\bar{V}_x = 1000 * \bar{A}_{x+t} - \beta_x^{CRVM} * \ddot{a}_{x+t}$$

**TEXAS LIFE INSURANCE COMPANY**  
**POLICY FORM NWG 7/09**

**IV. Cash Value Sample Calculations**

Male, Non-Tobacco  
Issue Age: 50  
2001 CSO, ALB, 5.00%

End Pol Year(t)	DB <sub>t</sub>	C <sub>x+t</sub>	M <sub>x+t</sub>	Adjusted C <sub>x+t</sub>	Adjusted M <sub>x+t</sub>	D <sub>x+t</sub>	N <sub>x+t</sub>	PVFB <sub>x+t</sub>	ä <sub>x+t</sub>	<sub>t</sub> CV <sub>x</sub>	<sub>t</sub> RPU <sub>x</sub>
0		27,151.79	2,227,166.08	8,145.54	2,199,711.87	8,263,587.03	126,764,839.89	266.25721	15.33883	0.00	0.00
1	300	28,159.86	2,200,014.29	19,711.90	2,191,566.34	7,842,931.10	118,501,252.86	279.49934	15.10789	0.00	0.00
2	700	29,481.72	2,171,854.44	29,481.72	2,171,854.44	7,441,298.33	110,658,321.76	291.93591	14.86935	5.00	17.13
3	1,000	30,985.65	2,142,372.72	30,985.65	2,142,372.72	7,057,469.08	103,217,023.43	303.63583	14.62365	21.00	69.17
4	1,000	33,006.04	2,111,387.07	33,006.04	2,111,387.07	6,690,413.47	96,159,554.36	315.66283	14.37108	38.00	120.39
5	1,000	35,135.15	2,078,381.03	35,135.15	2,078,381.03	6,338,816.31	89,469,140.89	327.96483	14.11274	55.00	167.71
6	1,000	37,039.88	2,043,245.88	37,039.88	2,043,245.88	6,001,832.76	83,130,324.58	340.52492	13.84898	73.00	214.38
7	1,000	38,508.97	2,006,206.00	38,508.97	2,006,206.00	5,678,991.32	77,128,491.81	353.36095	13.57942	91.00	257.53
8	1,000	39,687.26	1,967,697.03	39,687.26	1,967,697.03	5,370,054.19	71,449,500.49	366.51861	13.30311	109.00	297.40
9	1,000	41,128.83	1,928,009.77	41,128.83	1,928,009.77	5,074,650.07	66,079,446.30	380.03360	13.01929	128.00	336.82
10	1,000	42,989.93	1,886,880.94	42,989.93	1,886,880.94	4,791,871.23	61,004,796.23	393.87717	12.72858	148.00	375.76
11	1,000	45,336.13	1,843,891.01	45,336.13	1,843,891.01	4,520,696.96	56,212,925.00	407.99434	12.43212	168.00	411.78
12	1,000	47,956.44	1,798,554.88	47,956.44	1,798,554.88	4,260,089.54	51,692,228.04	422.31099	12.13147	188.00	445.17
13	1,000	50,516.82	1,750,598.44	50,516.82	1,750,598.44	4,009,271.70	47,432,138.49	436.76915	11.82785	208.00	476.23
14	1,000	52,749.72	1,700,081.62	52,749.72	1,700,081.62	3,767,837.18	43,422,866.79	451.34896	11.52167	229.00	507.37
15	1,000	54,651.30	1,647,331.89	54,651.30	1,647,331.89	3,535,666.64	39,655,029.62	466.06760	11.21258	249.00	534.26
16	1,000	56,094.21	1,592,680.59	56,094.21	1,592,680.59	3,312,650.26	36,119,362.98	480.94674	10.90012	270.00	561.40
17	1,000	57,254.22	1,536,586.38	57,254.22	1,536,586.38	3,098,810.79	32,806,712.72	496.03356	10.58330	292.00	588.67
18	1,000	58,183.06	1,479,332.16	58,183.06	1,479,332.16	2,893,994.16	29,707,901.93	511.35553	10.26153	313.00	612.10
19	1,000	59,176.17	1,421,149.10	59,176.17	1,421,149.10	2,698,001.85	26,813,907.77	526.93695	9.93432	335.00	635.75
20	1,000	60,415.74	1,361,972.92	60,415.74	1,361,972.92	2,510,349.40	24,115,905.92	542.75341	9.60218	357.00	657.76

Net Level Prem = 17.35838

Adjusted Prem = 19.35970

VALUES RECALCULATED USING NEW ASSUMPTIONS

**TEXAS LIFE INSURANCE COMPANY**  
**POLICY FORM NWG 7/09**

**V. Reserve Sample Calculations**

Male, Non-Tobacco  
Issue Age: 50  
2001 CSO, ALB, 4.00%

End Pol Year(t)	DB <sub>t</sub>	$\overline{C}_{x+t}$	$\overline{M}_{x+t}$	Adjusted $\overline{C}_{x+t}$	Adjusted $\overline{M}_{x+t}$	D <sub>x+t</sub>	N <sub>x+t</sub>	$\overline{PVFB}_{x+t}$	$\overline{a}_{x+t}$	$\overline{V}_x$
0		45,112.50	4,630,423.61	13,533.75	4,584,673.68	13,334,188.61	228,643,368.18	343.89629	17.14496	0.00
1	300	47,237.28	4,585,311.12	33,066.09	4,571,139.93	12,777,101.59	215,309,179.57	357.83109	16.84889	0.00
2	700	49,930.18	4,538,073.84	49,930.18	4,538,073.84	12,239,357.61	202,532,077.98	370.85101	16.54522	19.47
3	1,000	52,981.83	4,488,143.66	52,981.83	4,488,143.66	11,719,655.66	190,292,720.37	383.03582	16.23456	38.25
4	1,000	56,979.12	4,435,161.83	56,979.12	4,435,161.83	11,216,950.05	178,573,064.71	395.47881	15.91733	57.43
5	1,000	61,237.87	4,378,182.71	61,237.87	4,378,182.71	10,729,659.85	167,356,114.66	408.12915	15.59480	76.93
6	1,000	65,178.42	4,316,944.84	65,178.42	4,316,944.84	10,256,935.80	156,626,454.81	420.96872	15.26745	96.72
7	1,000	68,415.12	4,251,766.42	68,415.12	4,251,766.42	9,798,529.67	146,369,519.01	434.01111	14.93493	116.83
8	1,000	71,186.43	4,183,351.31	71,186.43	4,183,351.31	9,354,580.90	136,570,989.35	447.29482	14.59625	137.30
9	1,000	74,481.51	4,112,164.88	74,481.51	4,112,164.88	8,924,989.76	127,216,408.45	460.84861	14.25068	158.20
10	1,000	78,600.41	4,037,683.37	78,600.41	4,037,683.37	8,508,690.48	118,291,418.68	474.64268	13.89899	179.46
11	1,000	83,687.09	3,959,082.96	83,687.09	3,959,082.96	8,104,364.05	109,782,728.20	488.62406	13.54252	201.01
12	1,000	89,375.17	3,875,395.87	89,375.17	3,875,395.87	7,710,601.06	101,678,364.15	502.72347	13.18304	222.75
13	1,000	95,052.15	3,786,020.70	95,052.15	3,786,020.70	7,326,405.53	93,967,763.09	516.88716	12.82192	244.58
14	1,000	100,207.92	3,690,968.55	100,207.92	3,690,968.55	6,951,420.37	86,641,357.56	531.09618	12.45963	266.48
15	1,000	104,818.61	3,590,760.63	104,818.61	3,590,760.63	6,585,802.40	79,689,937.19	545.36481	12.09583	288.48
16	1,000	108,620.51	3,485,942.02	108,620.51	3,485,942.02	6,229,725.79	73,104,134.79	559.71104	11.73004	310.59
17	1,000	111,932.77	3,377,321.50	111,932.77	3,377,321.50	5,883,616.60	66,874,409.00	574.17504	11.36124	332.89
18	1,000	114,842.41	3,265,388.73	114,842.41	3,265,388.73	5,547,571.58	60,990,792.40	588.77889	10.98888	355.40
19	1,000	117,925.73	3,150,546.32	117,925.73	3,150,546.32	5,221,598.41	55,443,220.82	603.54136	10.61246	378.16
20	1,000	121,553.58	3,032,620.59	121,553.58	3,032,620.59	4,905,139.42	50,221,622.42	618.43805	10.23262	401.12

Alpha = 1.01497

Beta = 21.23767

VALUES RECALCULATED USING NEW ASSUMPTIONS



## CERTIFICATION

The undersigned, an officer of Texas Life Insurance Company, Waco, Texas, does hereby certify that he has personally reviewed the guidelines of Arkansas Bulletin Number 19, Unfair Sex Discrimination in the Sale of Insurance, and does comply with the guidelines of such Bulletin.

A handwritten signature in black ink that reads "Michael Khoury". The signature is written over a horizontal line.

Michael Khoury, JD  
Director  
Compliance and Product Development

Date: 26 October 2012



### CERTIFICATION

The undersigned, an officer of Texas Life Insurance Company, does hereby certify that he has personally reviewed the guidelines of Arkansas Bulletin Number 11-83, and does further certify that form NWL 7/09 does comply with the guidelines of such Bulletin.

A handwritten signature in black ink that reads "Michael Khoury". The signature is written in a cursive style and is positioned above a horizontal line.

Michael Khoury, JD  
Director  
Product Development, Claims and Records

Date: 26 October 2012

# TEXASLIFE

INSURANCE COMPANY

## CERTIFICATION OF COMPLIANCE

This is to certify that the actuarial demonstration for policy form NWG 7/09 is in compliance with Regulation 34 for the state of Arkansas (Valuation and Nonforfeiture), and that when calculating reserves under the minimum reserve method in Regulation 34, in no case shall the reserves be less than the actual cash surrender values provided for under the policy contract.



David Groman, ASA, MAAA  
Actuary

Date: 10/30/2012

# TEXASLIFE

INSURANCE COMPANY

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David Groman, ASA, MAAA  
Actuary

Date: 10/30/2012